New Product

A teaching tool and a research tool

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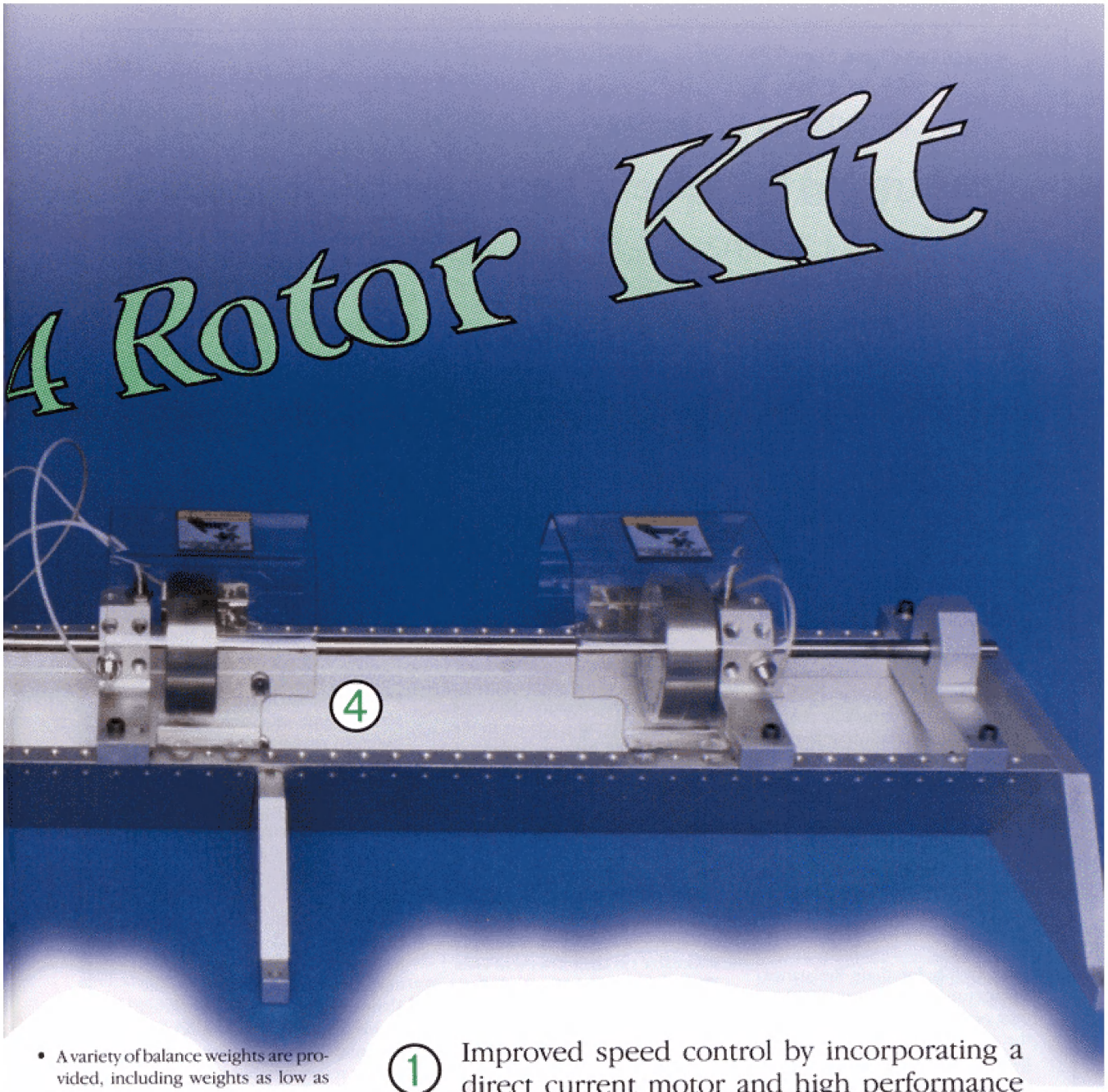
Machine operators and maintenance personnel must be able to recognize and diagnose problems to keep a plant operating at peak performance. An education and training program is more effectively accomplished by using a rotor kit to teach the principles of rotating machinery behavior. This hands-on approach enhances classroom training by demonstrating cause-and-effect relationships on an actual rotating machine. Operators and maintenance personnel can observe actual machine malfunctions in a classroom setting.

The RK 4 Rotor Kit is a ***teaching tool*** that can simulate the following machinery behaviors:

- Shaft rub condition.
- Rotor unbalance — both single plane and multiplane balancing.
- Oil whirl and oil whip instabilities — hydrodynamic as well as hydrostatic effects — with the use of an improved optional oil whirl/whip kit.
- Shaft perturbation — a free-spinner kit option facilitates shaft perturbation experiments.

The exceptional performance and unique geometry of the RK 4 Rotor Kit also make it a superior ***research tool***. Because of its versatility and its ability to isolate and control individual machine characteristics, more sophisticated studies of machine behavior can be accomplished.

4 Rotor Kit



- A variety of balance weights are provided, including weights as low as 0.1 gram.
- A ±5 volt analog control input for remote control of the direct current motor.
- A digital tachometer with large LCD readout.
- Reversible motor direction.
- Adjustable slow roll speed capability.

For more information, contact your nearest Bently Nevada sales or service representative.■

1. Improved speed control by incorporating a direct current motor and high performance control circuitry.
2. Compact Proximitor® assembly with easy-to-use connectors.
3. V-frame design for better control of housing dynamic stiffness properties.
4. Better alignment through improved machining practices.